

References

- **Arifeen S, Black RE, Atbeknab G, Baqui A, Caulfield L, Becker S (2001):** Exclusive breastfeeding reduces acute respiratory infection and diarrhea deaths among infants in Dhaka slums. *Pediatrics* 108:176-178.
- **Armogida, Sheila A., Yannaras, Niki M., Melton, Alton L., Srivastava (2004):** Identification and quantification of innate immune system mediators in human breast milk. *Allergy and Asthma Proc* 25: 297-304.
- **Armstrong, J. et al. (2002):** Breastfeeding and lowering the risk of childhood obesity. *Lancet* 359:2003-04.
- **Armogida, Sheila A., Yannaras, Niki M., Melton, Alton L., Srivastava, Maya D. (2004):** Identification and quantification of innate immune system mediators in human breast milk. *Allergy and Asthma Proc* 25: 297-304.
- **Anderson JW, Johnstone BM, Remley DT (2001):** Breast-feeding and cognitive development: A meta-analysis. *Am J Clin Nutr*;70:525–35.6
- **Auestad N, Montalto M.B., Hall R.T. and Hartman E (1997):** Visual Acuity, erythrocyte fatty acid composition and growth. *Ross Pediatric lipid study* *pediatr.Res.*41:1-10.
- **Acharya K, Ackerman PD, Ross LE (2005):** Pediatricians' attitudes toward expanding newborn screening. *Pediatrics*. 116: e476-e484.

- **Akobeng A K et al. (2006):** Effects of breast feeding on risk of coeliac disease: a systematic review and meta-analysis of observational studies. Arch Dis Child 91: 39-43.
- **American Academy of Pediatrics Committee on Nutrition (1995):** Nutritional needs of low birth weight infants. Pediatrics 1985; 75: 976-86.
- **ALHusseiniN, F, M.Odaa, Mohamed, W. B. AbdEl Wahab, A.A. Hasan (2010):** Expression of A diporectin Receptors in human placenta and its possible implication in gestational diabetes. Am. J. Biochem. 6:136-140
- **Aisbitt B (2007):** Obesity – should we blame our genes? Nutr Bull 32, 183–186.
- **American College of Medical Genetics Board of Directors (2008):** ACMG statement on direct-to-consumer genetic testing. Available from: <http://www.acmg.net>
- **Benjamin J, Patterson C, Greenburg BD, Murphy DL, & Hamer DH. (1996):** Population and familial association between the D4 dopamine receptor gene and measures of novelty seeking. Nature Genetics, 12, 81-84.
- **Bener A, Denic S, Galadari S (2001):** Longer breast-feeding and protection against childhood leukemia and lymphomas. Eur J Cancer 37: 234-238.

- **Bitman J. (1993):** Comparison of the lipid composition of breast milk from mothers of term and preterm infants. *Am. J. clin.Nutr.* 38:300-312.
- **Beaudry M, Dufour R, Marcoux S. (1995):** Relationship between infant feeding and infections during the first six months of life. *J Pediatr* 126: 191-197.
- **Blois B, Riddell C, Dooley K, Dyack S (2005):** Newborns with C8-acylcarnitine level over the 90th centile have an increased frequency of the common MCAD 985A>G mutation. *J Inherit Metab Dis* 28: 551-556.
- **Boersma ER, Lanting CI (2000):** Environmental exposure to polychlorinated biphenyls (PCBs) and dioxins. Consequences for longterm neurological and cognitive development of the child. *Adv Exp Med Biol* 478:271-87.
- **Broor S, Pandey RM, Ghosh M, Maitreyi RS, Lodha R, Singhal T, Kabra SK. (2001):** Risk factors for severe acute lower respiratory tract infection in under-five children. *Indian Pediatr* 38: 1361-1369.
- **Burke W (2004):** Genetic testing in primary care. *Ann Rev Genomics Hum Genet* 5: 1-14.
- **Bjerve EE, Hoffman DR, Uauy R, Birch DG, Prestidge C (1993):** Visual acuity and essentiality of docosahexaenoic acid in the diet of term infants. *Pediatr Res.* 1998; 44:201 –209.

- **Bjerve K.B., O.L. Brekke, K.K. Bonna, H. Johnsen, L. Vatten (1993):** Essential fatty acid and Eicosanoids: paper from the third International congress, American oil chemist' society.
- **Boersma ER, Lanting CI (2000):** Environmental exposure to polychlorinated biphenyls (PCBs) and dioxins. Consequences for longterm neurological and cognitive development of the child. *Adv Exp Med Biol* 478:271-87.
- **Caspi A, Williams B, Kim-Cohen J, et al. (2007):** Moderation of breastfeeding effects on the IQ by genetic variation in fatty acid metabolism. *Proc. Natl. Acad. Sci. U.S.A.* 104 (47).
- **Carrie L (2010):** IQ, Intelligence and Brain Development- another Breastfeeding Benefit at web site: [http:// brainychild.com](http://brainychild.com).
- **Carlson S.E. and workman S.H (1996):** A randomized trial of visual attention of preterm infants fed docosahexaenoic acid until two months. *Lipids* 31:85-90.
- **carlson S.E. and Werkman S.H. , Rhodes P.G., and Tolly E.A. (1993):** Visual acuity in healthy preterm. *Am.J.clin.Nutr.* 58:45-42.
- **Chen A, Rogan WJ (2004):** Breastfeeding and the risk of post neonatal death in the United States. *Pediatrics* 113: 435-439.
- **Chiaffarino F, Pelucchi C, Negri E, Parazzini F, Franceschi S, Talamini R, Montella M, La Vecchia C. (2005):** Breastfeeding and the risk of epithelial ovarian cancer in an Italian population. *Gynecol Oncol.* 98: 304-308.

- **Catania A (2008):** Neuroprotective actions of melanocortins: a Therapeutic opportunity. Trends Neurosci 31, 353–360. 63. Redon R, Ishikawa.
- **Caspi (2007):** Moderation of breastfeeding effects on the IQ by genetic variant in fatty acid metabolism.
- **Cesar JA, Victora CG, Barros FC, et al.(1999):** Impact of breastfeeding on admission for pneumonia during postneonatal period in Brazil: Nested case-controlled study. BMJ 318: 1316-1320.
- **Chen K.Y., Ratanayake W.M., Leung S. (1997):** Breast milk fatty acid composition Lipid 32:1061-1067.
- **Caspi A, Williams B, Kim-Cohen J et al. (2007):** Moderation of breastfeeding effects on the IQ by genetic variation in fatty acid metabolism. Proc Natl Acad Sci U S A 104, 18860– 18865.
- **Chiaffarino F, Pelucchi C, Negri E, Parazzini F, Franceschi S, Talamini R, Montella M, Ramazzotti V, La Vecchia C(2005):** Breastfeeding and the risk o epithelial ovarian cancer in an Italian population. Gynecol Oncol. 98: 304-308.
- **Dauncey MJ and Astley S (2006):** Geno mica nutricional: novos estudos sobre as interac, es entre nutric, o e o genoma humano (Nutritional genomics: New studies on interactions between nutrition and the human genome). Nutr Pauta 77, 4–9.

- **Denne S, Karn C, Ahlrichs J, Dorotheo A, Wang J, Liechty E(1996):** Proteolysis and phenylalanine hydroxylation in response to parenteral nutrition in extremely premature and normal newborns. J Clin Invest 97: 746-54.
- **Dundaroz R, Aydin HA, Ulucan H, Baltac V, Denli M, Gokcay E (2002):** Preliminary study on DNA in non-breastfed infants. Ped Internat 44: 127-130.
- **Duncan B, Ey J, Holberg CJ, Wright AL, Martines F, Taussig LM. (1993):** Exclusive breastfeeding for at least 4 months protects against otitis media. Pediatrics 91: 867-872.
- **Dobbing J (1983):** Nutritional growth restriction and the nervous system. In: Davison AN, Thompson RHS, Eds. The Molecular Basis of Neuropathology. London UK; 221-3.
- **Dell S (2001):** Breastfeeding and Asthma in Young Children. Arch Pediatr Adolesc Med 155:1261-1265.
- **Dewey KG, Heinig MJ, Nommsen-Rivers LA. (1995):** Differences in morbidity between breast-fed and formula-fed infants. J Pediatr 126: 696-702.
- **Dauncey MJ (2004):** Interações precoces nutricionais-hormonais: implicações nas doenças degenerativas de adultos (Early nutrition-hormone interactions: implications for adult degenerative diseases). Nutr Pauta 66, 30–35.

- **Daniels M C, Adair L S (2005):** Breast-feeding influences cognitive development of Filipino children. *J Nutr.* 135: 2589-2595.
- **Duffy LC, Faden H, Wasielewski R, Wolf J, Krystofik D. (2005):** Exclusive breastfeeding protects against bacterial colonization and day care exposure to otitis media. *Pediatrics* 100: E7.
- **Edmond KM, Zandoh C, Quigley MA, Amenga-Etego S, Owusu-Agyei S, Kirkwood BR(2006):** Delayed breastfeeding initiation increases risk of neonatal mortality. *Pediatrics* 117: 380-386.
- **Egbonu I, Ezechukwu CC, Chukwuka JO, Ikechebelu J (2005):** Breastfeeding return of menses, sexual activity and contraceptive practices among mothers in the first six months of lactation in Onitsha, South Eastern Nigeria. *J Obstet Gynaecol.* 25: 500-503.
- **Endres S. (1993):** Messengers and mediators: Interactions among lipids. *Am.J.Clin.Nutr.* 57: 798-800.
- **Fattal-Valevski A, Kesler A, Seal B, Nitzan-Kaluski D, Rotstein M, Mestermen R, Tolendano-Alhadeif H, Stolovitch C, Hoffman C. Globus O, Eshel G.(2005):** Outbreak of Life Threatening Thiamine Deficiency in Infants in Israel Caused by a Defective Soy-Based Formula. *Pediatrics* 115: 223-238.
- **Frye C, Heinrich J. (2003):** Trend and predictors of overweight and obesity in East German children. *Int J of Obesity* 27: 963-969.
- **Feigenson, L., Dehaene, S., Spelke, E. (2004):** Core Systems of Number. *Trends in Cognitive Sciences*, 8. 307-314.

- **Fomon SJ, Ziegler EE, Vazquez HD (1987):** Human milk and the small premature infant. *Am J Dis Child* 131: 463-467.
- **Foote KD, MacKinnon MJ, Innis S (1992):** Effect of early introduction of formula versus fat free parenteral nutrition on essential fatty acid status of preterm infants. *Am J Clin Nutr* 54: 93-97.
- **Frank L, Sosenko IRS (1988):** Under nutrition as a major contributing factor in the pathogenesis of bronchopulmonary dysplasia. *Am Rev Respir Dis* 138: 725-729.
- **Friedman Z, Frolich JC (1979):** Essential fatty acids and the major urinary metabolites of the E prostaglandins in thriving neonates and in infants receiving parenteral fat emulsions. *Pediatr* 13: 932-936.
- **Fürst P, Stehle P (1993):** The potential use of parenteral dipeptides in clinical nutrition. *Nutr Clin Pract* 8: 106-114.
- **Klement E, Cohen RV, Boxman V, Joseph A (2004):** Breastfeeding and risk of inflammatory bowel disease: a systematic review with meta-analysis. *Am J Clin Nutr* 80: 1342-1352.
- **Koletzko B., Diener U., Fiink M., Berghau T., Demmel P. and Bernsau U. (1998):** Supply and biological effects of long chain polyunsaturated fatty acids in premature infants.
- **Koletzko B. (1997):** Fats for brains. *Eur. J. Clin. Nutr.* 46: 51-62.

- **Gerrini P., Bosi G., Chierici R., Fabbri A. (1981):** Human milk: Relationship of fat content with gestational age. *Early Hum. Dev.* 5:187-194.
- **Goodin K, Chen M, Lose E, Mikhail FM, Korf BR(2008):** Advances in genetic testing and applications in newborn medicine. *Neo Reviews* 9: e282-290.
- **Green NS, Pass KA (2005):** Neonatal screening by DNA microarray: Spots and chips. *Nat Rev Genet.* 6: 147-151.
- **Grossman I (2007):** Routine pharmacogenetic testing in clinical practice: dream or reality? *Pharmacogenomics* 8: 1449-1459.
- **Gonzalez JR, Armengol L, Sole X, Guino E, et al.(2011):** an R package to perform whole genome association studies. *Bioinformatics* 23:654-655.
- **Genzel Boroviczeny O., Wahel J., and koletzko B. (1997):**Fatty acid composition of human milk during the first month after term and preterm and delivery. *Eur.J.Pediatr.*156:142-147.
- **Groer M W (2005):** Differences between exclusive breastfeeders, formula-feeders, and controls: a study of stress, mood and endocrine variables. *Biol. Res Nurs.* 7: 106-117.
- **Guise JM et al.(2005):** Review of case-controlled studies related to breastfeeding and reduced risk of childhood leukemia. *Pediatrics* 116: 724-731.

- **Haumont D, Richelle M, Deckelbaum RJ, Coussant E, Carpentier YA (1992):** Effect of liposomal content of lipid emulsions on plasma lipid concentrations in low birth weight infants receiving parenteral nutrition. *J Pediatr* 121: 759-763.
- **Haag M (2003):** Essential fatty acid and the brain. *can J psychiatry* 48:195-203.
- **Hibbeln JR, Davis JM, Steer C et al. (2007):** Maternal seafood consumption in pregnancy and neurodevelopment outcomes in childhood (ALSPAC study): an observational cohort study. *Lancet* 369, 578–585.
- **Hay WW, Lucas A, Heird WC, Ziegler E, Levin E, Grave GD, et al. Workshop summary (1999):** Nutrition of the extremely low birth weight infant. *Pediatrics* 104: 1360-1368.
- **Health Resources and Services Administration. Newborn screening:** Toward a uniform screening panel and system. Available at: <http://mchb.hrsa.gov/screening/>.
- **Heird WC (1992):** Parenteral feeding in effective care of the newborn infant. Oxford: Oxford University Press; p.141-160.
- **Helms RA, Herrod HG, Burckart GJ, Christensen ML (1983):** E-rosette formation, total T-cells, and lymphocyte transformation in infants receiving intravenous safflower oil emulsion. *JPEN* 7: 541-545.
- **Hoppu U, Rinne M, Salo-Vaenaenen P, Lampi A-M, Piironen V, Isolauri E. (2005):** Vitamin C in breast milk may reduce the risk of atopy in the infant. *Eur J of Clin Nutr* 59: 123-128.

- **Innis SM, Sprecher H, Hachey D, Edmond J, Anderson R (1993):** Neonatal polyunsaturated fatty acid metabolism. *Lipids* 34: 139-149.
- **Innis SM (2005):** Essential fatty acid transfer and fetal development .placenta; 26:570. **Innis S.M., Nelson C.M, Riouxand M.F., King D.J. (1994):**Development.of visual acuity in relation to plasma and erythrocyte omega-6 and omega-3 in healthy term gestation infants.Am.J.Clin.Nutr.60:347-352.
- **Isaacs EB, Gadian DG, Sabatini S et al. (2008):** The effect of early human diet on caudate volumes and IQ. *Pediatr Res* 63, 308–314.
- **Ivarsson, A. et al. (2002):** Breast-Feeding May Protect Against Celiac Disease *Am J Clin Nutr* 75:914-921 .
- **Jakobsoon A, Westerberg R,Jacobsoon A (2006):** Fatty acid elongase in mammals.prog *Lipid Res* 45:237-249.
- **Kac G, Bencio A, Valente JG, StruchinerCJ (2004):** Breastfeeding and postpartum weight retention in a cohort of Brazilian women. *Am J Clin Nutr* 79: 487-493.
- **Kao S. , Jeffrey D. Dawson, Jeffrey C. Murray, John M. Dagle, Susan K. Berends, Susan B. Gillen, and Edward F. Bell (2011):** Possible roles of bilirubin and breast milk in protection against retinopathy of prematurity.

- **Karlson EW, et al. (2004):** Do breast-feeding and other reproductive factors influence future risk of rheumatoid arthritis?: Results from the Nurses' Health Study. *Arthritis & Rheumatism* 50: 3458-3467.
- **koletzko B., Thiel I., and Abiodun P.O.(1992):**The fatty acid composition of human milk in Europe and Africa.*J.Pediatr.*120:62-70.
- **Karlsson MK, Ahlborg HG, Karlsson C (2005):** Maternity and mineral density. *Acta Orthopaedica* 76: 2-13.
- **Kerkhof M, Koopman LP, van Strien RT, et al. (2003):** Risk factors for atopic dermatitis in infants at high risk of allergy: The PIAMA study. *Clin Exp Allergy* 33: 1336-1341.
- **Keshen TH, Jaksic T, Jahoor F (1997):** De novo synthesis of cysteine in premature neonates. *Surg Forum* 48: 639-641.
- **Kramer MS, Aboud F, Mironova E, et al. (2008):** Breastfeeding and child cognitive development: new evidence from a large randomized trial. *Arch Gen Psychiatry*65 (5).
- **Kramer MS, Chalmers B, Hodnett ED, et al (2001):** Promotion of Breastfeeding Intervention Trial(PROBIT): A randomized trial in the Republic of Belarus. *JAMA* 285: 413-420.
- **Kobata R, Tsukahara H, Ohshima Y, Ohata N,Tokuriki S,Tamura S and Mayumi M (2007):**High levels of growth factors in human breast milk.*Early Hum Dev*;7:2.

- **Kramer MS, Aboud F, Mironova E et al. (2008):** Breastfeeding and child cognitive development. New evidence from a large randomized trial. *Arch Gen Psychiatry* 65, 578–584.
- **Karlson E W et al.(2004):** Do breast-feeding and other reproductive factors influence future risk of rheumatoid arthritis?: Results from the NursesHealth Study. *Arthritis & Rheumatism* 50: 3458-3467.
- **Lucas A, Morley R, Cole TJ et al. (1992):** Breast milk and subsequent intelligence quotient in children born preterm. *Lancet* 339, 261–264.
- **Lucas A, Morley R, Cole TJ, Gore SM, Lucas PJ, Crowle P, et a(1990):**l. Early diet in preterm babies and developmental status at 18 months. *Lancet*; 335: 1477-1481.
- **Lucas A, Morley R, Cole TJ (1992):** Breast milk and subsequent intelligence quotient in children born preterm. *Lancet*; 339: 261-264.
- **Lucas A (1994):** Role of nutritional programming in determining adult morbidity. *Arch Dis Child*; 71: 288-290.
- **Lodygensky GA, Seghier ML, Warfield SK et al. (2008):** Intrauterine growth restriction affects the preterm infant's hippocampus. *Pediatr Res* 63, 438–443.
- **Lamberts SWJ, Uitterlinden AG (2009):** Genetic testing in clinical practice. *Ann Rev Med*; 60: 431-442.

- **Lewis R. (2005):** Human genetics; concepts and application. 6th ed. Boston: McGraw Hill: 1-20.
- **Lopez Alvarez M (1997):** proteins in human milk. Breastfeed R eV; 15(1):5-16.
- **Linda scheffer (2006):** common genetic variant of the FADS2 gene cluster and their reconstruction haplotypes are associated with the fatty acid composition in phospholipids.
- **Louik C, Mitchell AA, Epstein MF (1985):** Risk factors for neonatal hyperglycemia associated with 10% dextrose infusion. Am J Dis Child139: 783-785.
- **Livak KJ, Schmittgen TD. (2001):** Analysis of relative gene expression data using real-time quantitative PCR and the 2(-Delta Delta C(T)) Method
- **Luukkaine P., Salo M.K., and Nikkari T. (1994):** Changes in the fatty acid composition of preterm and term human milk from 1 week to 6 months of lactation.J.Pediatr.Gastroenterol.Nutr.18:300-312.
- **Marconi AM, Paoline C, Buscaglia M, Zerbe G, Battaglia FC, Pardi G (1996):** The impact of gestational age and fetal growth on the maternal- fetal glucose concentration difference. Obstet Gyn; 87: 937-942.
- **Malcove H et al. (2005):** Absence of breast-feeding is associated with the risk of type 1 diabetes:a case-control study in a population with rapidly increasing incidence. Eur J Pediatr 165:114-119.

- **Matsuda I, Niikawa N, Sato K, Suzumori K, Fukushima Y, Fujiki N, et al (2001):** Guidelines for genetic testing. The Japan Society of Human Genetics, Council Committee of Ethics. J Hum Genet; 46:163-165.
- **Marquardt A, Stohr H, White B H (2000):** DNA cloning, genomic structure and chromosomal localization of three member of the human fatty acid desaturase family . Genomics; 66:175-183.
- **Makrides M, Neumann MA, Byard RW, Simeer K, Gibson RA (1994):** Fatty acid composition of brain, retina, and erythrocytes in breast and formula fed. Am J clin Nutr 60:189-194.
- **Molto-puigmart C, Plat J, Mensink RP, Muller A, Jansen E ,et al.(2010):** FADS1FADS2 gene variants modify the association between fish intake and the docohexaenoic acid proportions in human milk. Am J Clin Nutr 91:1368-1376.
- **McGhee SA, Stiehm ER, Cowan M, et al (2005):.** Two tiered universal screening strategy for severe combined immunodeficiency. Mol Genet Metab. 86: 427-430.
- **Marti A, Martinez-Gonzalez MA & Martinez JA (2008):** Interaction between genes and lifestyle factors on obesity. Proc Nutr Soc 67, 1–8.
- **Martin RM, Ness AR, Gunnelle D, Emmet P, Smith GD (2004):** Does breastfeeding in infancy lower blood pressure in childhood? Circulation 109: 1259-1266, 2004.

- **McPherson E (2006):** Genetic diagnosis and testing in clinical practice. Clin Med & Res 4: 123-129.
- **Micheli JL, Schutz Y. Protein. In: Tsang RC, Lucas A, Uauy R, et al., eds (1993):** Nutritional needs of the preterm infant, scientific basis and practical guidelines. Pawling, NY: Caduceus Medical Publishers; .p.29-42.
- **Mitton SG (1994):** Amino acids and lipid in total parenteral nutrition for the newborn. J Pediatr Gastroenterol Nutr 18: 25-31.
- **Martinez M. (1992):** Tissue level of polyunsaturated fatty acids during early human development pediatr.120:129-138.
- **MakridesM.,SimmerK., NeumannM.,and.GibsoR.(1995):**Changes in the polyunsaturated fatty acids of breast milk from mothers of full term infants over 30 week of lactation .Am J clin Nutr 61:1231-1233.
- **Moser HW, Mahmood A, Raymond GV (2007):** X-linked adrenoleukodystrophy. Nat Clin Pract Neurol. 3: 140-151.
- **Monetini L, Cavallo MG, Stefanini L, Ferrazzoli F, Bizzarri C, Marietti G, Curro V, Cervoni M,Pozzilli P, IMDIAB Group (2002):**Bovine beta-casein antibodies in breast-and bottle-fed infants: their relevance in Type 1 diabetes. Hormone Metab Res 34: 455-459.
- **National Newborn Screening & Genetics Resource Center.** National newborn screening status report. Available at: <http://genes-r-us.uthscsa.edu/nbsdisorders.pdf>.

- **Norton ME (2008):** Genetic screening and counseling. *Curr Opin Obstet Gynecol* 20: 157-63.
- Nutrition-hormone interactions: implications for adult degenerative diseases). *Nutr Pauta* 66, 30–35.
- **O'Dell BL, Sunde RA (1997):** Handbook of Nutritionally Essential Mineral Elements. New York, NY: Marcel Dekker Inc.
- **Oddy WH, Peat JK, de Klerk NH (2002):** Maternal asthma, infant feeding, and the risk for asthma in childhood. *J. Allergy Clin Immunol.* 110:65-67.
- **Oddy WH, Peat JK (2003):** Breastfeeding, Asthma and Atopic Disease: An Epidemiological Review of Literature. *J Hum Lact* 19: 250-261
- **Okamura C, Tsubono Y, Ito K, Niikura H, Takano T, Nagase S, Yoshinaga K, Terada Y, Murakami T, Sato S, Aoki D, Jobo T, Okamura K, Yaegashi N (2006):** Tohoku J Exp Med. Lactation and risk of endometrial cancer in Japan: a case-control study. 208: 109-115.
- **Owen GC, Whipcup PH, Odoki JA, Cook DG. Infant feeding and blood cholesterol (2002):** a study in adolescents and systematic review. *Pediatrics* 110: 597-608.
- **Pauls J, Bauer K, Versmold H (1998):** Postnatal body weight curves for infants below 1,000g birth weight receiving early enteral and parenteral nutrition. *Eur J Pediatr* 157: 416-421.

- **Plomin R and Spinath FM. (2004):** Intelligence, genetics, genes, and genomics. Journal of personality and social psychology; 86:112-129.
- **Phillips DIW (2007):** Programming of the stress response: a fundamental mechanism underlying the long-term effects of the fetal environment? J Intern Med 261, 453–460.
- **Poindexter BB, Karn CA, Denne SC (1998):** Exogenous insulin reduces proteolysis and protein synthesis in extremely low birth Weight infants. J Pediatrics 132: 948-953.
- **Posthuma D, Luciano M, Geus EJ, Wright MJ, et al. (2005):** A genomewide scan for intelligence .Am J Hum Genet 77:318-326.
- **Prasertsom W, Phillipos EZ, Van Aerde JE, Robertson M (1996):** Pulmonary vascular resistance during lipid infusion in neonates. Arch Dis Child 74: F95-F98.
- **Rao MR, Hediger ML, Levine RJ, Naficy AB, Vik T(2002):** Effect of breastfeeding on cognitive development of infants born small for gestational age. Arch Pediatr Adolesc 156: 651-655.
- **Rubin M, Naor N, Sirota L, et al (1995):** Are bilirubin and plasma lipid profiles of premature infants dependent on the lipid emulsion infused? J Pediatr Gastroenterol Nutr 21: 25-30.
- **Rzehak P, Heinrich J, Klopp N, Schaeffer L, Hoff S, Wolfram G, Illig T, Linseisen J (2009):** Evidence for an association between genetic variants of the fatty acid desaturase 1 fatty acid desaturase 2 (FADS1 FADS2) gene cluster and the fatty acid composition of erythrocyte membranes.Br J Nutr. ; 101(1):20-6.

- **Reynolds A (2001):** Breastfeeding and brain development .pediatr clin North; 48:159-71.
- **Riskin A and Bader D (2003):** Breast is best human milk for premature infants.Harefuah; 142(3):217-22,237,236.
- **Richards M, Hardy R, Wadsworth M E(2002):** Long-term effects of breast-feeding in a national cohort:educational attainment and midlife cognition function. Publ Health Nutr 5: 631-635.
- **Robson L G, Dyall S, Sidloff D, Micheal-Titus AT (2010):** Omega -3 polyunsaturated fatty acids increase the neurite outgrowth of rat sensory neurons throught development and in aged animal.Neurobiol Aging 31:678-687.
- **Schuchardt Jp, Huss M,Stauss-Garbo M,Hann A(2010):**Significance of long chain polyunsaturated fatty acids for development and behavior of children. Eur J pediatr 169:149-164.
- **Sadauskaite-Kuehne V, Ludvigsson J, Padaiga Z, Jasinskiene E, Samuel U. Longer (2004):** breastfeeding is an independent protective factor against development of types I diabetes mellitus in childhood. Diabet Metab Res Rev 20: 150-157.
- **Simopoulos A.S. (1991):** omega-3 fatty acids in health and disease and in growth and development Am.J.clin.Nutr.54:438-463.
- **Singhal A, Cole TJ, Lucas A (2001):** Early nutrition in preterm infants and later blood pressure: twocohorts after randomized trials. The Lancet 357: 413-419.

- **Saarinen UM, Kajosarri M (1995):** Breastfeeding as a prophylactic against atopic disease: Prospective follow-up study until 17 years old. *Lancet* 346: 1065-1069.
- **Sprecher H (2000):** Metabolism of highly unsaturated n-3 and 6n-6 fatty acids. *Biochimica Et Biophysic Acta Molecular and cell Biology of lipids* 1486:219-231.
- **Schull WJ & Otake M (1999):** Cognitive function and prenatal exposure to ionizing radiation. *Teratology* 59, 222–226. Schull WJ & Otake M (1999) Cognitive function and prenatal exposure to ionizing radiation. *Teratology* 59, 222–226.
- **Symonds ME, Stephenson T, Gardner DS et al. (2007):** Longterm effects of nutritional programming of the embryo and fetus: mechanisms and critical windows. *Reprod Fertil Dev*19, 53–63.
- **Simmer K, Patloe SK, Rao Sc (2008):**polyunsaturated fatty acid supplementation in infant born at term. *Cocharen Database syst Rev*. CD000376 p.
- **Smith MM, Durkin M, Hinton VJ, Bellinger D, Kuhn L,(2003):** Influence of breastfeeding on cognitive out comes at age 6-8 year follow-up of very low-birth weight infants. *Am J Epidemio*158:1075-1082.
- **Symonds ME, Stephenson T, Gardner DS et al. (2007):** Long term effects of nutritional programming of the embryo and fetus: mechanisms and critical windows. *Reprod Fertil Dev* 19, 53–63.

- **Stuebe AM, Rich-Edwards JW, Willett WC (2005):** Duration of lactation and incidence of type 2 diabetes. JAMA 294: 2601-2610.
- **Sauer PJ, Dane HJ, Visser HK (1984):** Longitudinal studies on metabolic rate, heat loss and energy cost of growth in low birth weight infants. Pediatr Res 18: 254-259.
- **Senterre J, Rigo (1985):** Nutritional needs and assessment of normal growth. New York: Nestlé Nutrition.
- **Steichen JJ, Gratton TL, Tsang RC (1980):** Osteopenia of prematurity: the cause and possible treatment. J Ped 96: 528-534.
- **Strachen T, Read AP (2004):** Human molecular genetics. 3rd ed. London: Garland Science 509-536.
- **Sunehag A, Ewald U, Larsson A, Gustafsson J (1993):** Glucose production rate in extremely immature neonates (<28 weeks) studied by use of deuterated glucose. Pediatr Res 33: 97-100.
- **Tamara T, Goldenberg R (1996):** Zinc nutriture and pregnancy outcome. Nutr Res 16: 139-181.
- **Thomas D (2010):** Gene –environment wide association studies: emerging approaches. Nat Rev Genet 11: 259-272.
- **Tayyari F, (2011):** The Genetic Basis of Intelligence. Scice Creative Quarterly, issue 4, <http://www.scq.ubc.ca/the-genetic-basis-of-Intelligence>.
- **Thapa S, Short RV, Potts M. (1988):** Breast feeding, birth spacing and their effect on child survival. Nature 335: 679-682

- **Thompson RM, Mc Innes RR, Willard HF(2007):**. Genetics in medicine. 7th ed. Philadelphia: WB Saunders Co: 497-506.
- **Thureen P, Hay W (2000):** Intravenous nutrition and postnatal growth of the micropremie. Clin Perinatol 27: 197-219.
- **UK Childhood Cancer Investigator (2001):** Breastfeeding and Childhood Cancer. Br J Cancer 85:1685-1694.
- **Van Handel M, Swaab H, De Vries LS, Jongmans MJ. (2007):** Long-term cognitive and behavioral consequences of neonatal encephalopathy following perinatal asphyxia: a review. Eur J Pediatr. 166(7):645-54.
- **Van Goudoever J, Colen T, Wattimena J, Huijmans J, Carnielli VP, SaurP (1995):** Immediate commencement of amino acid supplementation in preterm infants: effect on serum amino acid concentration and protein kinetics on the first day of life. J Pediatr 127: 458-465.
- **Van Acker J, de Smet F, Muyldermans G, Bougatef A. Naessens A, Lauwers S (2001):** Outbreak of necrotizing enterocolitis associated with *Enterobacter sakazakii* in powdered infant formulas. J Clin Microbiol 39: 293-297.
- **Victora CG, Smith PG, Patrick J, (1989):** Infant feeding and deaths due to diarrhea: A case-controlled study J Epidemiol 129: 1032-1041.
- **Viggiano D. et al.(2004):** Breast feeding, bottle feeding, and non-nutritive sucking; effects on occlusion in deciduous dentition. Arch Dis Child 89: 1121-1123.

- **Vreugedenhill HJI, Van Zanten GA, Brocaar MP, Mulder PGH, Weisglas-Kuperus, N.(2004):** Prenatal exposure to polychlorinated biphenols and Breastfeeding opposing effects on auditory P300 latencies in 9-year old Dutch children. *Develop Med & Child Neurol* 46: 398-405.
- **Von Kries R (1999):** Breastfeeding and obesity: cross sectional study. *BMJ* 319: 147-150.
- **Wahlig TM, Gatho CW, Boros SJ, Mammel MC, Mills MM, Georgieffe MK (1994):** Metabolic response of preterm infants to variable degrees of respiratory illness. *J Pediatr* 124: 283-288.
- **Waisbren SE, Albers S, Amato S, et al (2003):**. Effect of expanded newborn screening for biochemical genetic disorders on child outcomes and parental stress. *JAMA*. 290: 2564-2572.
- **Watson MS. Current status of newborn screening (2006):** Decision-making about the conditions to include in screening programs. *Ment Retard Dev Disabil Res Rev*. 12: 230-235.
- **Wauben I, Gibson R, Atkinson S (1999):** Premature infants fed mothers' milk to 6 months corrected age demonstrate adequate growth and zinc status in the first year. *Early Hum Dev* 54: 181-194.
- **Weir E (2002):** Powdered infant formula and fatal infection with *Enterobacter sakazakii*. *CMAJ* 166.
- **Weyerman M et al. Duration of breastfeeding and risk of overweight in childhood (2006):** a prospective birth cohort study from Germany. *Int J Obes* advance online publication February 28.

- **Whelan J. (1996):** Antagonistic effects of dietary arachidonic acid and n-3 polyunsaturated fatty acids/J.Nutr.126:1086-1091.
- **Wilcken B (2007):** Newborn screening for cystic fibrosis: Techniques and strategies. J Inher Metab Dis. 30: 537-543.
- **Wilson DC, Cairns P, Halliday HL, Reid M, McClure G, Dodge JA (1997):** Randomised controlled trial of a aggressive nutritional regimen in sick very low birthweight infants. Arch Dis Child 77: F4-F11.
- **Wilson DC, McClure G (1994):** Energy requirements in sick preterm babies. Acta Paediatrica 405: 60-64.
- **Wilson JM, Jungner YG (1999):** Principles and practice of mass screening for disease [in Spanish]. Bol Oficina Sanit Panam. 65: 281-393.
- **Wright AL, Holberg CJ, Taussig LM, Martinez FD (1995):** Relationship of infant feeding to recurrent wheezing at age 6 years. Arch Pediatr Adolesc Med 149: 758-763.
- **Wilfinger WW, Mackey K, Chomczynski P. (1997):** Effect of pH and ionic strength on the spectrophotometric assessment of nucleic acid purity. Mar; 22(3):474-6, 478-81.
- **Yoo HW (2006):** Clinical application of genetic testing. Korean J Med Ass 249: 589-96.
- **Ziegler EE (1994):** Protein in premature feeding. Nutrition 10: 69-72.